

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-723
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year General Motors Corporation exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: TGM4.38PGBEK Displacement: 4.3 Liters (262 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
Dual Heated Oxygen Sensors
Heated Oxygen Sensors (Two)
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Nitrogen</u> <u>Oxides</u>	<u>Carbon</u> <u>Monoxide (20°F)</u>
5751-8500	50,000	0.39	5.0	1.1	12.5
	120,000	0.56	7.3	1.53	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Nitrogen</u> <u>Oxides</u>	<u>Carbon</u> <u>Monoxide (20°F)</u>
5751-8500	50,000	0.15	1.8	0.7	5.2
	120,000	0.20	2.8	1.01	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 9th day of August 1995.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Example, Pattern A: CC10703+E62

Example, Pattern B: 1UM05

Digit 1 = Marketing Division

Pattern A

C = Chevrolet
T = GMC
H = Oldsmobile
G = Isuzu

Pattern B

1 = Chevrolet
2 = Pontiac
3 = Oldsmobile

Note: Digit 1 is not used for Pattern A models on engine family pages or California Supplemental Data Sheets.

Digit 2 = Chassis Type (all)

U = Conventional 4x2 Front Wheel Drive
C, S, M = Conventional 4x2 Rear Wheel Drive
G = Forward Control 4x2 Rear Wheel Drive
K, T, L = Conventional 4x4 Four Wheel Drive, All Wheel Drive

Digit 3 = Series/GVWR

Pattern A

1 = 11,15,1500/3500-7300
2 = 21,25,2500/6400-8600
3 = 31,35,3500/7100-14500

Pattern B

Letter code designates trim level rather than series/GVWR.

Digits 4 & 5

Pattern A = Dimensional Grouping

05 = Blazer, Jimmy, Bravada
06 = S/T Short Box
07 = C/K Short Box
08 = S/T Long Box & Cab-Chassis
09 = C/K Long Box, Suburban,
10 = M/L Long Body
14 = G Short Wheelbase
17 = G Long Wheelbase

Pattern B

05 = Cargo (APV)
06 = Passenger (Lumina APV, Trans Sport, Silhouette)

Digits 6 & 7 = Body/Cab Codes (Pattern A Only)

03 = Conventional Cab, Cab-Chassis
05 = Cargo Van
06 = Passenger Van, 4 Door Special Purpose Vehicle
16 = 2 Door Special Purpose Vehicle
43 = Crew Cab
53 = Extended Cab

Pickup Body Codes (Optional, Used with Pattern A Only)

+E62 = Stepside, Fenderside
+E63 = Fleetside, Wideside
+ZW9 = Cab-Chassis

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM4.32PGKEK
 EVAP STD: 50K X USEFUL LIFE WITH R/L____ EVAPORATIVE FAMILY: TGM1089AYMBA
 EXH STD: TIER-0____ TIER-1 X TLEV____ LEV____ ULEV____ ZEV____; EPA TIER-0____ TIER-1 X
 VEH CLASS(ES): PC____ LDT1____ LDT2 X MDV1____ MDV2____ MDV3____ MDV4____ MDV5____
 SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY:
 EXH CERT FUEL(S): INDO____ PH2 X DIESEL: 13 CCR 2282____ OR 40 CFR 86.113-90____
 OR -94____ M85____ CNG____ LPG____ OTHER (SPECIFY)____
 FUEL TYPE(S): DEDICATED X FLEX-FUEL____ DUAL-FUEL____ GASOLINE X DIESEL____ M85____
 CNG____ LNG____ LPG____ OTHER (SPECIFY)____
 HYBRID: TYPE A____ B____ C____ APU CYCLE (E.G., OTTO, DIESEL, TURBINE): NA
 ENGINE CONFIGURATION: V6 DISPLACEMENT: 4.3 LITERS 262 CUBIC INCHES
 ENGINE: FRONT X MID____ REAR____ DRIVE: FWD____ RWD X 4WD-FT____ 4WD-PT X
 EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: LEGR, TWC, 2HO2S-HO2S(2), SFI
 RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (NW)	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV. TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
10	T10603+E62	M5	4000	16200785 (BKCX)	17096188,	25152878
	T10603+E63			16187795-ENG	17096309	
	T10803+E63			16187774,		
	T10653+E62		4250	16215601-TRANS		
	T10653+E63			16187577PB-OPER		
	T10516					25152879

CARLINE NAME	CARLINE CODE
CHEV S10 PICKUP 4WD	55037
GMC SONOMA PICKUP 4WD	88027
CHEV BLAZER 4WD	55070
GMC JIMMY 4WD	80060

ISSUED: ML-TP041

REVISED: ML-TP073, ML-TR063

17-TGM4.32PGKEK-7

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: TGM4.32PGKEK

EVAP STD: 50K X USEFUL LIFE WITH R/L

EVAPORATIVE FAMILY: TGM1089AYMBA

EXH STD: TIER-0 TIER-1 X TLEV LEV ULEV ZEV; EPA TIER-0 TIER-1 XVEH CLASS(ES): PC LDT1 LDT2 X MDV1 MDV2 MDV3 MDV4 MDV5

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY:

EXH CERT FUEL(S): INDO PH2 X DIESEL: 13 CCR 2282 OR 40 CFR 86.113-90

OR -94 M85 CNG LPG OTHER (SPECIFY)

FUEL TYPE(S): DEDICATED X FLEX-FUEL DUAL-FUEL GASOLINE X DIESEL M85

CNG LNG LPG OTHER (SPECIFY)

HYBRID: TYPE A B C APU CYCLE (E.G., OTTO, DIESEL, TURBINE): NA

ENGINE CONFIGURATION: V6 DISPLACEMENT: 4.3 LITERS 262 CUBIC INCHES

ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT X

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: LEGR, TWC, 2HO2S-HO2S(2), SFI

RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (NW)	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV. TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
.10D	T10603+E62	M5	4000	16200785 (BKCX)	17096188.	25152878
	T10603+E63			16232324-ENG	17096309	
	T10803+E63			16227591-TRANS		
	T10653+E62		4250	16237015PJ-OPER		
	T10653+E63					
	T10516					25152879

CARLINE NAME	CARLINE CODE
CHEV S10 PICKUP 4WD	55037
GMC SONOMA PICKUP 4WD	88027
CHEV BLAZER 4WD	55070
GMC JIMMY 4WD	80060

ISSUED: ML-TR063

REVISED:

17-TGM4.32PGKEK-7.2